Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/31/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124251	-1	1.21	124173	1.19
Blue	F	SSC	125000	124691	-1	2.34	125176	2.18
Blue	E	FITC	13602	13176	-4	2.31	368	13.85
Blue	D	PE	24891	24441	-2	1.69	583	10.56
Blue	B	PerCP-Cy5-5	33972	33325	-2	2.93	950	14.76
Blue	A	PE-Cy7	22865	22673	-1	4.97	472	31.00
Red	C	APC	47198	46858	-1	2.70	1622	11.22
Red	A	APC-Cy7	26454	25756	-3	3.32	728	12.13
Violet	B	V450	6737	6361	-6	3.50	447	10.91
Violet	A	V500	29317	28125	-5	2.98	959	8.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24154	2.25	536	1	N/A	N/A	Pass
Blue	F	SSC	55980	1.94	518	-3	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	2	0.0392	54	Pass
Blue	D	PE	113	37.53	489	3	0.3493	220	Pass
Blue	B	PerCP-Cy5-5	150	40.95	582	3	0.0203	73	Pass
Blue	A	PE-Cy7	80	79.43	625	4	0.0215	0	Pass
Red	C	APC	340	25.42	571	-1	0.0300	213	Pass
Red	A	APC-Cy7	136	34.42	548	-3	0.0067	1443	Pass
Violet	B	V450	77	45.47	447	-3	0.0690	2733	Pass
Violet	A	V500	113	31.00	467	-2	0.0275	986	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/31/2022 08:59 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.74	-31.46	1.03
Blue	20.35	16.28 - 24.42	1.28	1.03 - 1.55	0.00	0.00	1.43
Red	15.48	13.90 - 20.86	N/A	N/A	29.91	30.12	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9675

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments